

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A ~~[[P]]~~process for the treatment of sludge successively comprising:
~~a step of foaming of the~~ sludge under controlled conditions which makes it possible to obtain a foam having a density of less than 90% of that of the sludge; and
~~a step of drying of the~~ foam.

Claim 2 (Currently Amended): The ~~[[P]]~~process according to Claim 1, wherein ~~characterized in that~~ the density of the foam is less than 85% of that of the sludge.

Claim 3 (Currently Amended): The ~~[[P]]~~process according to Claim 1, wherein ~~characterized in that~~ the density of the foam is between 55 and 65%.

Claim 4 (Currently Amended): The ~~[[P]]~~process according to ~~[[c]]~~Claim 1, comprising a phosphatization of the sludge before foaming.

Claim 5 (Currently Amended): The ~~[[P]]~~process according to ~~[[c]]~~Claim 1, wherein ~~characterized in that~~ the foam is dried by techniques related to composting.

Claim 6 (Currently Amended): The ~~[[P]]~~process according to ~~the preceding claim~~ Claim 5, wherein ~~characterized in that~~ after 12 days of drying, the dried sludge reaches a dry matter content exceeding 65%.

Claim 7 (Currently Amended): The ~~[[P]]~~process according to ~~any one of claims 5 or 6~~ Claim 5, wherein ~~characterized in that~~ the drying is carried out in a composting tunnel comprising a sand layer placed on a membrane impermeable to water.

Claim 8 (Currently Amended): The ~~[[P]]~~process according to ~~[[c]]~~Claim 1, wherein ~~characterized in that~~ the dried sludge is then calcined.

Claim 9 (Currently Amended): The ~~[[P]]~~process according to ~~the preceding claim~~ Claim 8, wherein ~~characterized in that~~ the calcining temperature is between 550 and 750°C.

Claim 10 (Currently Amended): The ~~[[P]]~~process according to ~~either of claims 7 and 8~~ Claim 7, wherein ~~characterized in that the~~ a product is obtained from the calcining that is then mixed with water and is then subjected to setting and hardening.